

DESCRIPTIVE ABSTRACT

Device for tuning a Bragg grating, by compression by means of a piezoelectric actuator.

This device is particularly applicable to optical telecommunications and for example, comprises means (8) for compressing an optical fiber portion (4), containing a Bragg grating (2), and means (10) for preventing buckling of this portion, a tube (14) crossed by the portion and means (32, 34) for guiding this portion in the tube. The compression means
10 comprise a curved deformable component (8) and a piezoelectric actuator (20, 22) which is positioned between the component and the tube, extends when it is energized and thereby deforms the component, the latter then compressing the portion.

15 Fig. 1.